

Title (en)

Method for recovering carboxylic acids from aqueous solutions

Title (de)

Verfahren zur Rückgewinnung der Carbonsäuren aus wässrigen Lösungen

Title (fr)

Procédé de récupération d'acides carboxyliques à partir des solutions aqueuses

Publication

**EP 0732320 A1 19960918 (EN)**

Application

**EP 95301812 A 19950317**

Priority

EP 95301812 A 19950317

Abstract (en)

Disclosed is a method for recovering carboxylic acids having from one to ten carbon atoms, and particularly formic acid, acetic acid and mixtures of formic and acetic acids, from aqueous solutions, in which the aqueous solution is contacted with solvent consisting essentially of mixed trialkylphosphine oxides in counter-current liquid-liquid extraction flow in a contacting step to thereby transfer the acids from the aqueous solution to the solvent, thus producing a raffinate relatively low in acid content and a rich solvent. The rich solvent is preferably dehydrated to separate water therefrom and yield a dehydrated rich solvent. The dehydrated rich solvent then has the acids stripped from it and the resulting lean solvent is then returned to the liquid-liquid extraction step, while the separated acids are split into their constituent components in a distillation operation.

IPC 1-7

**C07C 51/48**; C07C 53/08; C07C 53/02

IPC 8 full level

**C07C 51/48** (2006.01)

CPC (source: EP)

**C07C 51/48** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

BE DE ES FR GB IT

DOCDB simple family (publication)

**EP 0732320 A1 19960918**; **EP 0732320 B1 20011212**; DE 69524565 D1 20020124; DE 69524565 T2 20020801; ES 2166389 T3 20020416

DOCDB simple family (application)

**EP 95301812 A 19950317**; DE 69524565 T 19950317; ES 95301812 T 19950317